

## **Historic, Archive Document**

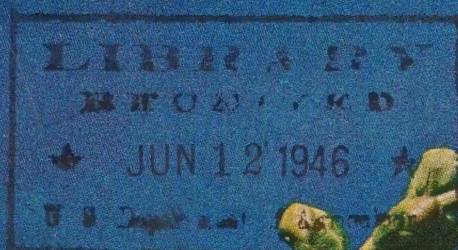
Do not assume content reflects current scientific knowledge, policies, or practices.





62.23

*Wm. J. Ball*  
INC.  
WEST CHICAGO  
ILLINOIS



DORCAS JANE  
The best early  
light pink Hybrid Snap  
Tr. pkt. \$2.50  
See page 2

*"<sup>BETTER</sup> Flower Seeds for Florists"*

**CATALOG 53**

JUNE 1946



# Better Plants and Bulbs

## LILIES

Creole  
Croft  
Mexican  
Peerless  
Regale

## DUTCH BULBS

Daffodils  
Hyacinths  
Tulips  
Miscellaneous

## DOMESTIC BULBS

Amaryllis  
Anemones  
Caladiums  
Callas  
Freesias  
Gladioli  
Gloxinias  
Iris  
Ranunculus  
Tuberous Begonias

## GROWING PLANTS

Azaleas  
Calceolarias  
Cinerarias  
Cyclamen  
Fibrous Begonias  
Forcing Snapdragons  
Hydrangeas  
Melior Begonias  
Poinsettias  
Primulas

## DORMANT PLANTS

Azaleas  
Hydrangeas  
Roses

## CUTTINGS

Carnations  
Chrysanthemums  
Hydrangeas

## The Florists of America

have realized that the high quality of Ball's seeds have earned a reputation second to none in the horticultural world. Our methods of carefully watching our sources of supply of all stock that we sell, plus our well-known service to our customers, have made our slogan "*All the Best—Nothing Else*" a byword to florists everywhere.

Some years ago we began furnishing Mum cuttings to the trade; our increasing yearly volume is very gratifying. Our well satisfied customers began to ask us for other greenhouse material. As a result, five years ago we installed a department to furnish our customers with the plants and bulbs necessary for greenhouse operation. We wish to thank our many friends for their response. It has greatly exceeded our expectations.

Today, the world's finest growers supply us with the best plant and bulb material available, and we are able to furnish hundreds of varieties of the items listed at the left, if orders are placed well in advance. Write us for quotations and price lists.

*Geo. J. Ball*  
INC.  
WEST CHICAGO,  
ILLINOIS, U. S. A.

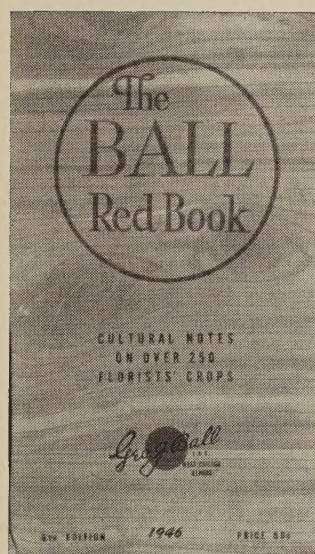


# The Coming Season

High earnings and plenty of available money are factors that clearly point to active business for Florists the coming year. Preparing well for it with uniformly good stock is important, and this is where we can help either retail or wholesale growers. Never have we been quite so completely prepared with good strains of flower seed as we are today. Nearly all the seed we supply of Forcing Snaps, Non-Branching Stocks, Begonias, Primulas, Calceolarias and Cinerarias is grown by us in our 2½ acres of greenhouses. We are as certain as it is possible to be of its fine quality. An example of our single plant selection work in improving strains is the fact that we annually carry on over 700 such selections of our Stocks, the best of which become our next season's seed crop. A further example of our interest in this work is the 48 single plant selections of Coleus we are carrying on this season; this to eliminate heavy unwanted colors. You are cordially invited to visit us and look over these growing interests.

*Geo. J. Ball.*

## Service for Growers



### BALL RED BOOK

6th Edition

By Geo. J. Ball

Over 50 yrs. growing experience with miscellaneous crops is gathered into this paper bound booklet. Two hundred and fifty subjects are treated in this new edition. We gladly mail it to our customers for the cost of printing and mailing which is 50c.

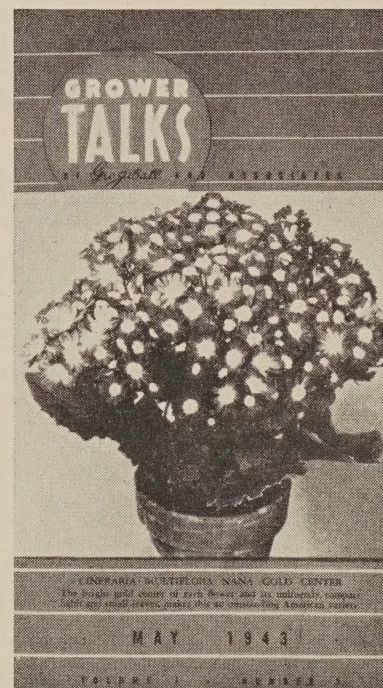
### GROWER TALKS

(Monthly)

By Geo. J. Ball and others

Our monthly medium for suggesting timely sowing of seasonal crops, along with practical suggestions for growing them on. Also includes notes of general Floricultural value as noted by the editor and his staff.

Monthly, 40c per yr.—2 yrs. 75c.



### CATALOG No. 53—JUNE 1946—BUSINESS TERMS

**Note—Cash Discount!** Prices quoted on Cyclamen seed and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed, a discount of 5% is allowed on all orders from \$1.00 to \$25.00. On \$25.00 and over, 8% is allowed.

Cash should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance. **Important.** Make all checks or money orders payable to Geo. J. Ball, Inc., WEST Chicago, Ill.

**Note.** Our seed sold only in our printed packets or containers. Order from us only or through our regular agents.

**All Prices** in this catalog subject to change without notice.

**All Seed Orders** sent prepaid to U.S. and Canada at catalog prices.

**Air Mail Delivery** will be made on request if 10c per oz. is allowed for postage, which includes shipping envelopes.

Our address is **WEST Chicago, Illinois** on Highways U. S. 330 or Illinois 64—and on Chicago and Northwestern Ry. You are always welcome here.

**Half Trade Packets** supplied only where so listed.

**Our Business Is With Florists Only.** We do not sell at retail.

**Shortages**—All items in this catalog are offered subject to crop failures or shortages.

**We Use Every Precaution** to supply seeds of highest quality only and promptly refund price paid for same if unsatisfactory with reasonable care.

All seeds sold under Seedsman's disclaimer as follows:

**Disclaimer.** All Florists know that success with seeds depends largely upon weather and general germination conditions, so, in accordance with the universal custom of the seed trade, we, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs or plants.

### INDEX

	Page
Begonias .....	12
Calceolarias .....	10
Calendula .....	8
Cinerarias .....	10
Cyclamen .....	9
Delphinium .....	13
Freesia Seed .....	14
Kalanchoe .....	14
Larkspur .....	8
Marigolds .....	14
Pansies .....	7
Plant Bands .....	
.....Inside Back Cover	
Primulas .....	11
Schizanthus .....	14
Snapdragons .....	2-3
Stocks .....	4-5
Sweet Peas .....	6-7
Misc. Perennials .....	15-16
Vegetable Seed .....	14



# Grow Better Snaps

## NEW!

### Dorcas Jane

(Pictured on Front Cover)

You know what real money makers those hybrid Snaps are—well, here's a new one that's "really something"—**DORCAS JANE**.

It's a true early with fine spikes of soft, silvery rose carried on long, strong stems—the kind that produces top quality flowers in Dec. and Jan. when good Snaps are scarce and prices are at their best. Tr. pkt. (full 2000 seeds), **\$2.50**; ½ Tr. pkt., **\$1.50**.

**FORCING SNAPS** unquestionably head the list of seed grown cut flower crops and, as growers ourselves, we are in a position to fully realize the importance of this in developing strains of real florist value. All Snapdragon seed we sell, except those varieties listed as "Originator's packets," is produced in our own greenhouses, and supplies were never so good or complete as they are today. Remember though—good culture is as important as good seed. Our "Grower Talks" (monthly, 2 yrs. 75c) provides timely tips of real value to florists.

### IMPORTANT!

Due to heavy increases in the cost of producing quality seed, we can no longer offer group prices or quantity discounts on Snapdragons. While we obviously have no control over the amount of seed in originator's packets, all of our own contain at least 2,000 seeds.

½ tr. pkts. of any variety priced at \$1.00 are supplied at **60c**; ½ pkts. of \$1.50 varieties, **\$1.00**. No ½ pkts. on \$2.00 or \$3.00 varieties **EXCEPT WHERE NOTED**.

### HYBRID SNAP NOTICE

Seed production of the following originator-grown hybrid Snaps has fallen short of the demand the last few years. Therefore, in fairness to all, supplies of these varieties may oblige us to restrict their sale to a limited number of packets per customer.

**Christmas Cheer.** Extra early rose-pink. ½ Tr. pkt., **\$1.75**; Tr. pkt., **\$3.00**.

**Better Times.** American Beauty rose. Tr. pkt., **\$2.00**.

**Maryland Pink.** Soft creamy pink. ½ Tr. pkt., **\$1.75**; Tr. pkt., **\$3.00**.

### OUR TWELVE BEST

(For Mid-Winter)

Although we realize that no group of "best" varieties is complete without including the hybrids mentioned above, uncertain supplies have obliged us to omit them. The following list, therefore, includes what we consider the twelve best of those varieties which are available in good supply.

**Afterglow.** This continues to be one of the most satisfactory all-around orange bronze varieties, especially for late winter and spring. Tr. pkt., **\$1.00**.

**Ball Lavender.** Long stemmed and strong growing with long heavy spikes of pleasing orchid lavender. A ready seller on most markets. Tr. pkt., **\$1.50**.

**Cheviot Maid No. 33 (Yoder).** This clean growing, beautiful light rose pink Cheviot Maid selection has proven immensely popular with all who have grown it. One of the best commercial varieties. Tr. pkt., **\$1.50**.

**Dorcas Jane.** See box above. ½ Tr. pkt., **\$1.50**; Tr. pkt. (2000 seeds), **\$2.50**.

**Ethel.** The most satisfactory fairly deep yellow that we know of. Perfectly uniform in habit without grassy side growth and with medium sized closely set spikes. Tr. pkt., **\$1.50**.

**Mary Ellen.** One of the first hybrid Snapdragon varieties and popular wherever grown today. Almost identical to Maryland Pink in its soft rose pink coloring but with longer stems and flower spikes. We have a good supply of the origina-

tor's seed on hand for immediate shipment. Tr. pkt., **\$2.00**.

**Klondike Supreme.** A strong growing, large flowered, deep yellow which we find preferable to Coates Yellow because of its darker green foliage. Choice for late winter. Tr. pkt., **\$1.00**.

**Lady Dorothy.** This fine new Snap is outstanding for its rich reddish bronze color and its true winter flowering habit. The best early bronze to date. Tr. pkt., **\$3.00**.

**New Cincinnati.** A medium rose pink with long shatter-proof spikes and extra long, stiff stems. We feel that this variety is one of the best for late winter and should be more widely grown. Tr. pkt., **\$1.00**.

**Peggy Schumann.** Extra fine, creamy rose pink with heavy stiff stems and well formed spikes. This truly fine variety is steadily increasing in popularity. Tr. pkt., **\$2.00**.

**St. Louis Early Pink.** If you're looking for that popular Maryland Pink or Mary Ellen color for late winter flowering, this is it. Tr. pkt., **\$1.50**.

**White Wonder Improved (Ball).** Our own uniformly long stemmed, even growing strain of this pure white variety. A few days later than Koester's White, but considerably stronger in growth. Tr. pkt., **\$1.50**.

**Ball Forcing Mixture.** Carefully balanced mixture of these 12 best varieties. Tr. pkt., **\$1.00**.



# with Better Seed

## STANDARD WINTER SNAPS

Except Varieties on Opposite Page

### BALL GOLD

The most intense deep yellow yet seen in Snaps. True winter flowering with heavy spikes carried on medium length stems. Uniform habit. Tr. pkt., \$1.50.

	Tr. pkt.
* <b>America.</b> Large flowered deep rose and orange bi-color. Attractive novelty color.....	\$1.50
<b>Ball Dwarf White.</b> Quite nice for pot plants. Not a cut flower type. Cultural notes with each packet.....	1.00
<b>Ball Early Pink.</b> Attractive early flowering deep rose. Should be grown on raised beds for well shaped spikes.	1.00
* <b>Ball Supreme Red.</b> A rich, velvety crimson with no objectionable magenta shading.....	1.50
<b>Bertha Baur.</b> Standard lavender.....	1.50
<b>Bronze Christmas Cheer.</b> Clean growing golden bronze and apricot combination.....	2.00
<b>Carol Jean.</b> Light, creamy yellow. Originator's packets..	2.00
<b>Ceylon Court Dark.</b> Standard early yellow; somewhat darker than Ethel.....	1.00
<b>Cheviot Maid Reselected (Ball).</b> Our own strain of this popular rose pink variety. At its best under late winter or spring conditions.....	1.00
* <b>Coates Yellow Perfection.</b> A fine yellow for spring.....	1.00
<b>Daybreak.</b> (Rust-proof strain). Clear light pink.....	1.00
* <b>Delworth's Supreme.</b> This deep rose Cheviot Maid selection will bloom for Christmas from a late June sowing.	1.50
<b>Feist's White (New).</b> Slightly creamy white with yellow lip; early and free flowering. Originator's packets.....	2.00
* <b>Early Cinninati (Ball).</b> Our own early flowering strain of this fine light rose.....	1.00
* <b>Gilbert's Pink.</b> Deep rose pink. Originator's packets....	1.50



Quality Snaps can be had only from carefully selected seed.

The asterisk (\*) indicates varieties most dependably satisfactory in our experience and observation.

	Tr. pkt.
* <b>Glorious.</b> Rich reddish bronze for spring.....	\$1.50
<b>Ideal Imp. (Hodaly's).</b> Bi-color rosy bronze and gold.....	1.50
* <b>Junglewood White.</b> Extra long stemmed pure white; shatterproof. Originator's packets. 1/2 Tr. pkt., \$1.25..	2.00
* <b>Junglewood Yellow.</b> (New). A clean growing rich yellow by the introducer of Junglewood White. Originator's packets. 1/2 Tr. pkt. \$1.25.....	2.00
<b>Kirkwood Beauty.</b> Orange bronze. Originator's packets....	1.00
* <b>Koester's White.</b> Fine, early flowering pure white; sufficiently long stemmed for most purposes.....	1.50
<b>Lucky Strike.</b> Continues its popularity as a strong growing creamy white for spring.....	1.00
<b>Maiden's Blush Improved.</b> Pale blush pink. Originator's packets. 1/2 tr. pkt., 85c.....	1.50
<b>Margaret.</b> Stiff stemmed ivory white. Orig. packets.....	2.00
* <b>Marie Louise.</b> A beautiful light shell pink. Especially choice color for spring.....	2.00
<b>Marion.</b> Popular spring flowering white.....	1.50
* <b>Miss Wooster.</b> Extra large flowered, fine light golden orange .....	1.00
* <b>Peace (Ball).</b> Pure white with rich dark green foliage; fine for spring.....	1.50
<b>Radiance.</b> Extra early rose pink.....	1.00
* <b>Rose Queen.</b> Fine spring flowering deep rose pink.....	1.00
<b>Schaffroth's Pink.</b> Long-stemmed rose pink with some color variation .....	2.00
* <b>Schaffroth's White.</b> Extra long stems and heavy spikes. Should be preferred to Lucky Strike for purity of whiteness .....	1.50
<b>Schumann's Lavender.</b> Excellent, large flowered rosy lavender for spring. Full, heavy spikes.....	2.00
* <b>Sunlite (Ball).</b> Extra early golden bronze. An excellent producer that comes back quickly after a heavy cut.....	1.00
<b>Suntan.</b> Early flowering rosy bronze. Color similar to Afterglow but earlier .....	1.00
<b>Terry's Surprise Improved.</b> Rosy orange. Long-stemmed and fine for spring.....	1.00
<b>Westover's Fringed White.</b> Large attractively fringed white. One of the better varieties for spring	1.00
<b>Westover's Fringed White Early.</b> Early selection of the above. Unusually nice .....	1.50
<b>Windmill's Appleblossom.</b> A clear medium rose; very attractive....	1.00
<b>Windmill's La France.</b> Popular and attractive light pink. Originator's packets .....	1.50
* <b>Windmill's Lilac.</b> Long stemmed with graceful spikes of beautiful rosy lilac .....	1.50
<b>Windmill's Snow White.</b> Very fine pure white for Easter and later..	1.00
<b>Yellow Peggy Schumann.</b> Originator's packets .....	2.00
<b>Yellow Wonder Improved.</b> Extra early, but with some unevenness in color and habit of growth.....	1.50
<b>Standard Early Mixed.</b> Mixture of all varieties .....	.75



# Ball Stocks are

## NON-BRANCHING

(18,000 seeds per ounce)

Never have we experienced a greater demand for our fine scientifically-bred strains of Non-Branching Stocks than during this past year. This is explained by the ease with which they are grown and the fact that a highly profitable crop can be produced with less labor than most crops call for. They require no disbudding and may be sown direct where they are to flower, saving a lot of costly transplanting time.

Important points to keep in mind in growing a profitable crop of Stocks are that clean or sterilized soil is necessary to prevent root rot as well as timely supporting to avoid worthless crooked stems.

While we believe we have sufficient seed on hand to take care of all orders, supplies of a few varieties may run short. Early ordering will help to assure your needs.

**Prices on All Non-Branching Varieties:**  $\frac{1}{2}$  Tr. pkt, 60c; Tr. pkt. (about 1,200 seeds), \$1.00;  $\frac{1}{4}$  oz., \$2.50; 1 oz., \$9.00.

### OUR 3 FINEST

Our own growing experience indicates that these three can't be beat and enthusiastic reports from growers everywhere bear this out.

\***No. 16 Ball White Improved-Medium Tall.** Our earliest pure white, with extra large florets and well-formed, compact spikes. Not recommended for outside planting, but sufficiently long-stemmed for greenhouse culture.

\***No. 1 Lilac Lavender.** Second only in popularity to Ball White. Our own excellent large flowered strain that is well liked by all markets.

\***No. 22 Ball Supreme.** Extra long stiff stems and fine heavy spikes of rich silvery rose have made this the outstanding variety of its color class.

### White Varieties

\***No. 15 Ball White Improved.** Slightly smaller flowered than our No. 16 but longer-stemmed. Where Stocks can be grown outdoors this is the preferred white, but does equally well under glass.

**Gardenia.** Long stemmed and pure white, but not entirely non-branching. One of the latest flowering varieties.

### Pink, Rose and Red Varieties

**No. 11 Ball Pink.** A medium light rose pink. Earlier and somewhat lighter than our No. 22, but not quite as long stemmed.

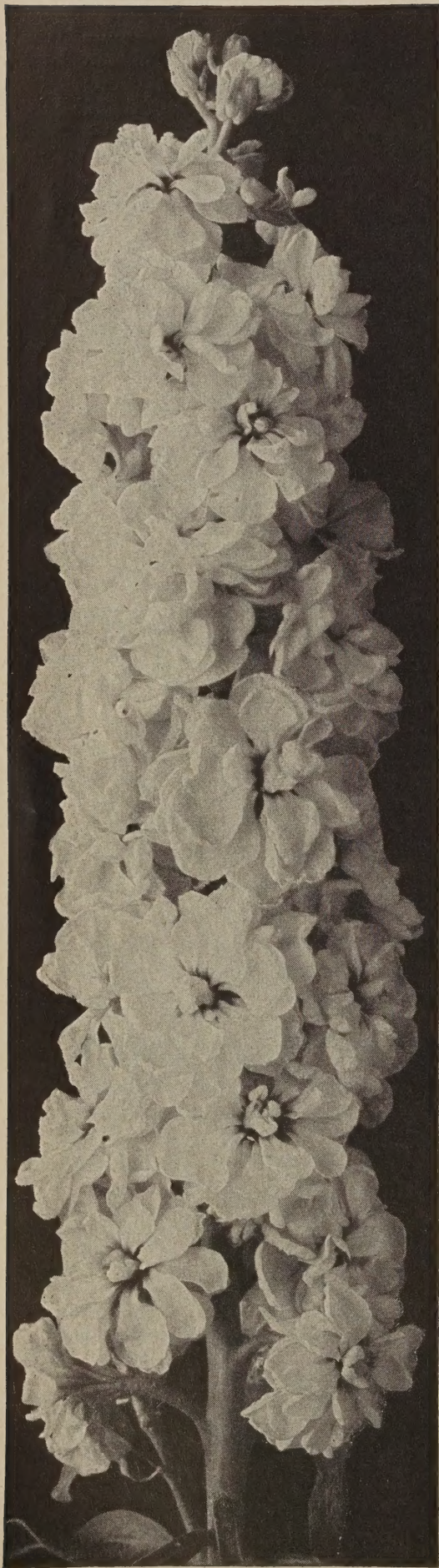
\***No. 14 Ball Rose Pink.** An early flowering fairly deep rose pink. Darker in color and longer stemmed than the above variety.

**No. 9 Chamois Pink Improved.** A warm rosy buff color. Distinctly improves the original stock of this variety in stem length and percentage of doubles.

**No. 7 Malmaison Pink.** Extra long-stemmed blush pink, with some tendency to branch at the base of the flower spike.

**No. 6 American Beauty.** Rich deep American Beauty or carmine rose. An appealing but rather heavy color.

**No. 8 Ruby.** Long-stemmed, glowing crimson red. Plant moderately of this rather strong color for market use.



Well-grown Stocks are a profitable crop.

The asterisk (\*) indicates varieties most dependably satisfactory in our experience and observation.



# Easy to Grow

## NON-BRANCHING—Continued

### Lavender, Blue and Purple Varieties

**No. 3 Ball Blue.** A medium lavender mauve. Somewhat lower in percentage of doubles than other varieties.

**No. 21 Purple Heart.** Long stemmed and large flowered, bright violet purple. Striking in combination with white, buff and yellow shades.

**No. 23 Pastel Lavender.** A pale, smoky lavender selection from our Lilac Lavender.

### Miscellaneous Varieties

\***No. 20 Ball Apricot.** Strong growing buff with a faint pink tinge. An extra large flowered variety that blends well with all lavender and blue shades.

**No. 24 Deep Apricot.** (New). Slightly darker than the above variety.

**No. 17 Gold Standard.** Creamy ivory yellow. An attractive novelty color.

**No. 10 Mixture.** Our own formula mixture. Contains mostly good market varieties with a limited amount of novelty colors.

### NEW!—HYACINTH FLOWERED STOCKS

These varieties were developed in our own greenhouses and make ideal pot plants. The dwarf non-branching growth carries one compact spike strongly resembling a Hyacinth which suggests the name for this new type.

**No. 5 Ball Dwarf White.** Pure glistening white. **Seed ready now.**

**No. 25 Ball Dwarf Rose.** A pleasing shade of soft coral rose.

**No. 26 Ball Dwarf Ruby.** A rich and striking bright crimson red.

Seed of above two ready in September.

Prices on All Non-Branching Varieties: ½ Tr. pkt., 60c; Tr. pkt. (about 1,200 seeds), \$1.00; ¼ oz., \$2.50; 1 oz., \$9.00.

## BRANCHING STOCKS

Retail growers should include some of this class in their planting. All, with the exception of the Dwarf Ten Week, are handled the same. Plant 8 x 8 in. and top when about 8 in. tall for plenty of good flowers with medium length stems. The Dwarf Ten Week type is largely used for pot plants.

### GIANTS OF CALIFORNIA

**Golden Gate.** Soft creamy yellow.

**Monterey.** A clear bright pink.

\***Pacific.** Fairly dark lilac mauve.

**Santa Barbara.** Chamois or buff.

\***Santa Maria.** Best branching white.

\***Tahoe.** Clear lavender.

\***Yosemite.** Rich rose pink.

PRICES for Above Varieties Each: Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.

Mixture of all colors. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.

### PERPETUAL BRANCHING

\***Empress Augusta Victoria.** Silver lilac. Mixture.

PRICES Each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

### DWARF TEN WEEK

Blood Red Carmine-Pink Lavender

Canary-Yellow Deep-Rose Purple

White Formula Mixture

PRICES Each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00.

### IMPROVED BISMARCKS

**Antique Copper.** Fine copper red.

**Apple Blossom.** Pale, delicate pink.

**Blood Red.** Bright ruby red.

\***Chamois.** Clear chamois or buff.

\***Elk's Pride.** Rich purple.

**Flesh.** Pale coral pink.

\***Golden Ball.** Ivory yellow.

\***Lavender.** Clear lilac lavender.

\***Lilac.** Fairly deep lilac blue.

\***Rose.** Fine bright rose pink.

\***Shasta.** Giant-flowered white.

**White.** Good clear white.

Formula Mixture of above colors.

PRICES Each: Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

### BEAUTY OF NICE

**Cote D'Azure.** Light lavender-blue.

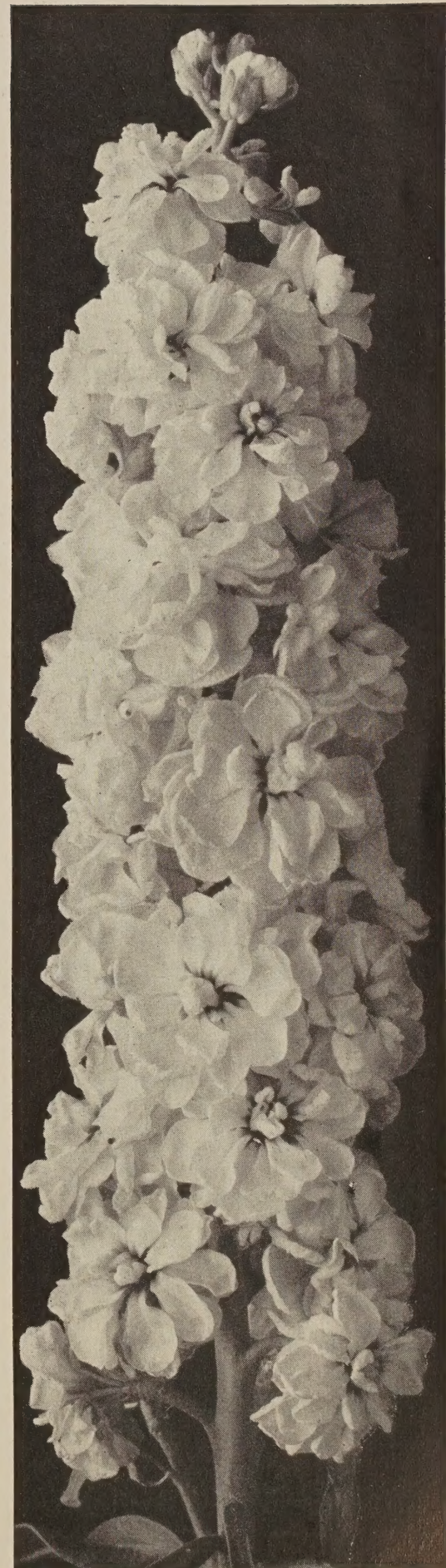
**Flesh Pink.** (Beauty of Nice).

**Mont Blanc.** Extra early pure white.

**Queen Alexandra.** Fine rosy lilac.

Mixture.

PRICES EACH: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.



Ball Stocks mean quality wherever grown.



# Quality Sweet Peas

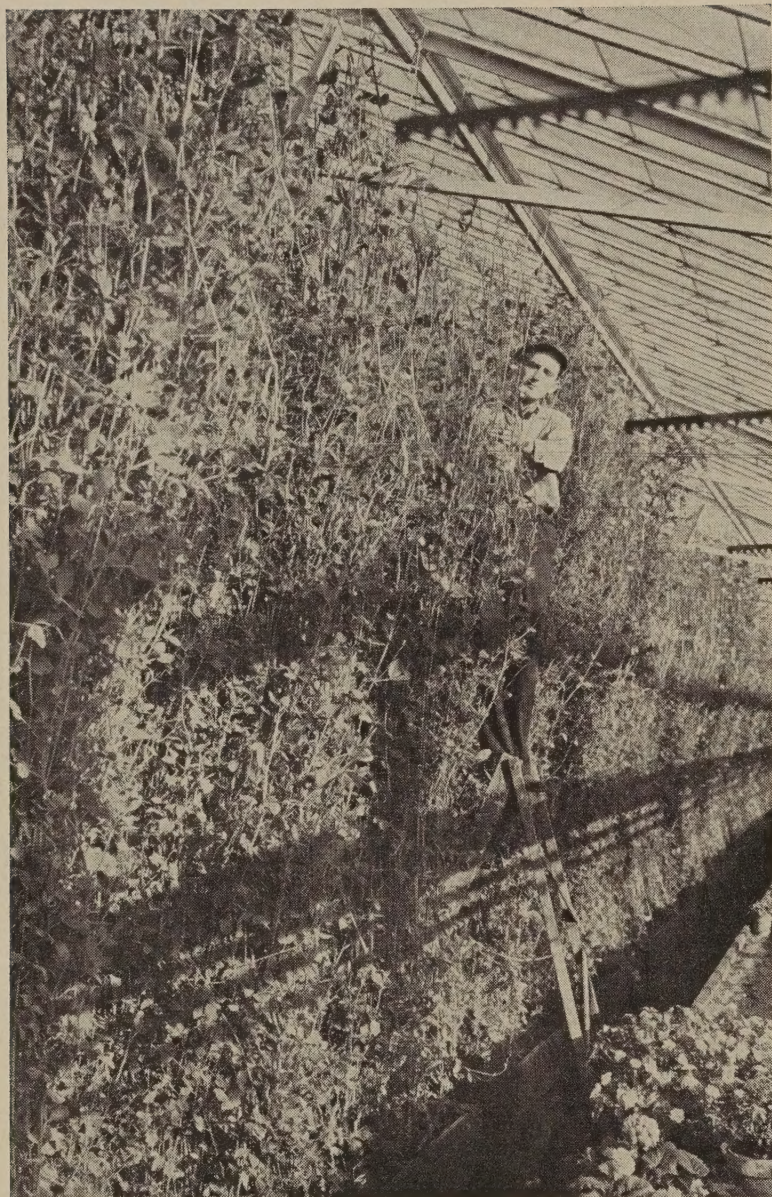
## WINTER PEAS

(350 seeds per oz.)

Because of the smaller quantities of Winter Peas being grown today, growers are finding them quite profitable. Most any wholesale market will welcome a moderate amount of them and for retail growers they are almost indispensable. To be worthwhile though, they must be grown in sterilized soil and sown early enough to get the vines sufficiently hardened to hold buds for winter flowering. With us this is early July—later further south. Our "Ball Red Book", 50c, gives complete cultural details.

### OUR 12 BEST VARIETIES

- Ball Blue Supreme.** Much larger flowered than Mrs. Hoover. A long stemmed heavy producer.
  - Ball Orange Supreme.** Brilliant, intense orange with no cerise shading. An improvement in growth and stem length.
  - New Ball Rose.** Bright glowing rose. Very free flowering, but shorter vines make it valuable where headroom is limited.
  - Ball Rose Queen.** Extra long stemmed and large flowered clear rose pink.
  - Ball Rose Supreme.** Large wavy flowers of bright silvery rose pink. Fine producer.
  - Twilight.** A bright clear lavender. Improves Harmony in flower size.
  - Triumph.** Long stemmed, rich lilac mauve; a fine market variety.
  - Princess Blue.** Large flowered, light blue; very attractive.
  - Ball White.** The finest long stemmed pure white; white seeded.
  - Ball Salmon.** Fairly deep salmon pink; an excellent producer.
  - Treasure Island.** Extra large wavy flowers of glowing orange scarlet.
  - Fiesta.** Brilliant scarlet cerise; we consider this the finest red in early Peas.
  - 12 Best Mixture.** Our own formula mixture of the above varieties.
- PRICES on Above Varieties and Mixture, Each:** ½ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.



Ground beds and clean soil are necessary to produce Peas like this.

### STANDARD VARIETIES

- American Beauty.** American-Beauty rose.
- Amethyst.** Rich bright mauve-purple.
- Apollo.** Salmon-cerise.
- Attraction.** Long-stemmed salmon rose.
- \*Bacchus.** Deep maroon-purple. Large flowered.
- Blue Danube.** A clear deep blue.
- Boon.** Deep salmon-rose.
- \*Bridesmaid.** Delightful silvery pink. Large flowered.
- Columbia.** Rose and white bi-color.
- \*Daphne.** Soft salmon-pink on cream. Large flowered.
- Eileen.** Rich Begonia rose.
- Fragrance.** Clear lavender for spring flowering.
- \*Gardenia.** Finest long-stemmed pure white for spring.
- Grenadier.** Poppy-scarlet.
- \*Harmony.** Standard early flowering lavender.
- Heather Bell.** Pleasing orchid-lavender. Rather small flowered.
- \*Hiawatha.** Strong growing, large flowered, fine deep rose.
- \*Hope.** Fine black-seeded white.
- Jeanne Mamitsch.** Clear rose; long stemmed.
- Josie.** Rose pink; rather small flowered.
- \*Laddie Imp.** Long-stemmed fairly light rose pink.
- Magic.** Extra early and free flowering orchid lavender.
- Majestic Rose.** Fine large-flowered rose-pink.

- Michigan.** Clear lavender.
  - \*Mrs. Hoover.** Standard early mid-blue.
  - Mother Machree.** Large coral rose flowers; semi-duplexed.
  - Oriental.** Black-seeded cream.
  - Pride.** Extra long-stemmed brilliant cerise.
  - \*Redwood.** Large-flowered deep, velvety crimson.
  - Rhapsody.** Attractive deep rosy lavender.
  - \*Rhumba.** Excellent salmon cerise for spring.
  - Sequoia.** Large flowered standard salmon rose.
  - \*Signal Red.** Fine long-stemmed brilliant red.
  - Snowstorm.** White-seeded white. Rather small-flowered.
  - \*Sparks.** The finest poppy scarlet.
  - Sunray.** Light cerise; fine long stem.
  - \*Tahoe.** Fine mid-blue for spring flowering.
  - Titania.** Extra large flowered deep rose; heavy stems.
  - \*Top Hat.** Deep bright violet-blue.
  - \*Tops.** Extra large, wavy flowered, light salmon rose.
  - Top Sergeant.** Deep crimson red without purple shading.
  - \*White Harmony.** Similar to Hope; black-seeded.
- PRICES on All Above Varieties:** ½ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.
- Ball Early Mixture.** Carefully balanced mixture of winter varieties. ½ oz., 25c; 1 oz., 45c; 4 ozs., \$1.35; 1 lb., \$5.00.



## for Better Profits

# SPRING FLOWERING PEAS

(350 seeds per oz.)

For greenhouse sowing between November and February, we find this new class superior to the Early or Winter class. While their stronger growth makes them a week or 10 days later flowering, they are generally longer stemmed and last longer than the weaker growing Earlies. They are also increasingly used for outdoor planting.

\***Black Seeded White.** Excellent pure white. Its large frilled flowers and heavy stems make a fine display.

\***Blue.** A fairly deep "Hoover" blue.

\***Lavender.** Soft rosy lavender. Good producer.

**Light Blue.** Beautiful light Princess Blue shade.

**Light Carmine.** A pleasing bright cerise rose on salmon.

## Fine Pansies

(25,000 seeds per oz.)

Comparative trials of the world's leading Pansy strains have convinced us that the following are among the finest in existence today. Wintered-over plants for early spring sales are produced from a sowing made late July-Aug. in our latitude. Further south, figure accordingly.

\***Ball Winter Flowering.** Upright growing, long stemmed variety for cut flowers. Sow in July or early August for winter and early spring crop. 1/2 Tr. pkt., 60c; Tr. pkt., \$1.00; 1/8 oz., \$2.50; 1/4 oz., \$4.75.

\***Ball Giant Mixture.** Our well-known, excellent all-purpose mixture. We use the finest strains available of Swiss or Roggli giants, adding separate colors to insure a well balanced color blend. Our finest bedding Pansy strain. Tr. pkt., 60c; 1/4 oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

\***Ball Giant Mixture Dwarf Strain.** A fine Roggli or Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; 1/4 oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

\***Maple Leaf Giants.** Our best large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$9.00.

\***Englemann's Giant Mixture.** An excellent, large flowered strain with a bright and complete color range. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; 1/4 oz., \$3.75; 1 oz., \$12.00.

**Roggli Giant Mixture.** A fine bedding strain, predominating in rich red and bronze shades. We supply only the originator's imported seed as follows: Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.50.

**America.** An exceptionally free flowering mixture of choice colors. Dwarf and extra early. Tr. pkt., 75c; 1/4 oz., \$3.00; 1 oz., \$10.00.

**Geneva Giants.** A choice American selected strain of Swiss Giants. Tr. pkt., 75c; 1/4 oz., \$2.75; 1 oz., \$9.00.

**Dwarf Geneva Giants.** A compact growing selection of the above. Tr. pkt., 60c; 1/8 oz., \$1.25; 1/4 oz., \$2.50; 1 oz., \$8.00.

**Canadian Giants.** An excellent, extra large flowered selection from Maple Leaf Giants. Tr. pkt., 90c; 1/8 oz., \$1.75; 1/4 oz., \$3.00; 1 oz., \$10.00.

**Steele's Jumbo Mixture.** We handle the originator's seed only of this popular American strain. Tr. pkt., \$1.00; 1/8 oz., \$2.50; 1/4 oz., \$4.50; 1 oz., \$15.00.

**Improved Swiss Giants.** Predominates in rich bronze and red shades. Tr. pkt., 60c; 1/4 oz., \$2.50; 1 oz., \$8.00.

**Salmon Cream Pink.** Extra long stemmed, soft salmon pink.

\***Mauve.** Closely resembles Winter Flowering Triumph in its rich coloring. Of fine spring flowering habit.

\***Navy Blue.** Brilliant deep marine blue. Vigorous growth and fine large flowers.

\***Rose Pink.** Similar in color to Laddie Improved.

**PRICES on Above Spring Flowering Varieties:** 1/2 oz., 35c; 1 oz., 65c; 4 ozs., \$2.00; 1 lb., \$6.50.

\***Mixture.** A mixture balanced according to demand for each color. 1/2 oz., 30c; 1 oz., 55c; 4 oz., \$1.65; 1 lb., \$5.50.



Pansy, Ball Giant Mixture, is tops for bedding or basket sales.

### SWISS GIANTS IN SEPARATE COLORS

**Firebeacon.** Brick red.

\***Coronation Gold.** The finest clear yellow.

\***Lake of Thun.** A fine, large flowered medium blue with darker center.

**Alpenglow.** Rich garnet red.

**Rhinegold.** Large flowered yellow with dark center.

**Mt. Blanc.** Best clear white in the large-flowered Swiss type.

**PRICES on All Above Swiss Separate Color Varieties Each:** Tr. pkt., 75c; 1/8 oz., \$1.75; 1/4 oz., \$3.00; 1 oz., \$10.00.

**Giant Orange.** (New). A rich light orange; similar in color to Viola Apricot. Originator's pkt., \$1.00. Available Sept. 1.



# Annual Larkspur

(8,000 seeds per oz.)

New crop Larkspur seed usually arrives from our California growers in early September and will be shipped at that time. Early ordering will assure your seed being mailed from the first lots received.



Base Branching Larkspur Rosalind, extra fine salmon rose.

## SIX BEST CUTTING VARIETIES

Our own market experience as well as seed demands, indicate that these represent the most satisfactory commercial varieties. All are base branching.

- \***Blue Bell.** Clear mid-blue; excellent.
- \***Blue Spire.** Deep violet blue.
- \***Brilliant Rose.** Intense, luminous rose.
- \***Sweet Lavender.** Clear, even lavender.
- \***Rosalind.** Shatter-proof, salmon rose.
- \***White King.** Finest pure white.
- \***6-Best Mixture.** A formula mixture of these 6 varieties.

## BASE BRANCHING OR IMPERIAL VARIETIES

- Carmine King.** Bright carmine-rose.
- \***Coral King.** Pleasing, soft coral rose.
- \***Dazzler.** Rich carmine-scarlet.
- \***Exquisite Pink Imp.** Fine soft pink.
- \***Gloria Imp.** Extra fine, deep rose.
- \***Lilac King.** Slightly lighter than Sweet Lavender. Fine habit.
- \***Lilac Queen.** Rich deep lilac-lavender.
- Los Angeles Imp.** Bright salmon rose.
- \***Miss California.** Pleasing, salmon pink.
- \***White Cockade.** Fine, fully double pure white flowers.
- White Spire.** Clear white.
- \***Formula Mixture** of above varieties.

**PRICES on All Above Varieties Including mixtures and the Six Best:** Tr. pkt., 25c; 1/4 oz., 40c; 1/2 oz., 65c; 1 oz., \$1.10; 4 oz., \$3.60; 1 lb., \$11.00.

## STOCK FLOWERED VARIETIES

- Dark Blue.** Rather deep violet-blue.
- \***Lilac Supreme.** A clear deep lilac.
- \***Mauve Beauty.** Med. lavender mauve.
- \***Rosamond.** Excellent, deep rose.
- Los Angeles.** Bright salmon-rose.
- Rose Queen.** Attractive rose-pink.
- Sky Blue.** A light blue.
- \***Tempest.** Brilliant deep blue.
- White.** Prefer White King.
- Formula Mixture** of above varieties.

**PRICES on All Above Stock-flowered varieties and Mixture:** Tr. pkt., 25c; 1 oz., 95c; 4 oz., \$3.20; 1 lb., \$9.60.

## SUPER MAJESTICS

A new class, stronger and taller in growth than the base branching type.

- Rose Pink.** A rich bright rose-pink.
- White.** Large flowered, clear white.
- Lavender.** A medium rosy lavender.
- Mixture** of above colors.

**PRICES on All Above Super Majestic Varieties and Mixture:** Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00; 1 lb., \$15.00.

## GIANT HYACINTH FLOWERED

Produces one long non-branching spike.

- Dark Blue, Lavender, Pink, Purple, White, Mixed**

**PRICES on All Above Varieties Including Mixture:** Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.20; 1 lb., \$16.00.

# World Famous Ball Calendula

(3,000 seeds per oz.)

Annual re-selection of planting stock for seed production helps to keep these famous strains at their very best. Genuine BALL CALENDULA are available only in our trade-marked containers. The important points in growing a crop of first class Calendula are: an early start (July in our latitude); disbudding to insure large flowers on long, stiff stems and cool temperatures—not over 45 degrees.

- \***Ball Improved Long Orange.** The longest-stemmed and largest flowered variety. Brilliant golden orange with a light center.
- \***Ball Masterpiece.** The standard and popular deep intense orange with dark center.
- \***Ball Lemon Queen.** Lemon yellow with contrasting brown eye.
- \***Ball Gold.** Large flowered deep golden yellow with light center.

**Ball Long Orange.** Deep intense orange with light center.

**Ball Apricot.** Our own large flowered strain of this buff or straw-yellow variety. Dark centered.

**Campfire.** Popular deep orange.

**PRICES on All Above Varieties, Each:** Tr. pkt., 40c; 1/4 oz., 60c; 1 oz., \$2.00; 2 oz., \$3.50; 4 oz., \$6.50.

\***Ball Formula Mixture.** Carefully blended by ourselves from the above varieties in proper proportion for commercial cut flower sales.

**Ball Art Shades Mixture.** A trial ground mixture containing many original and unusual shades.

**PRICES on Above Mixtures ONLY, Each:** Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.50.

For a list of our bedding varieties of Calendula for out-door growing, see our January catalog.



Calendula Ball Gold.





## American Grown Cyclamen

Pictured here is a house of Cyclamen being grown for seed by our Colorado producer. Nowhere in the world is the climate so well adapted to Cyclamen seed growing as is this area, where dry, cool air and plenty of sunshine result in a quality of seed that exceeds any European strain for high germination.

All of the varieties we list are produced by a real Cyclamen specialist with a lifetime of growing experience, and we are certain that no finer strains are available anywhere. Most varieties are available only from new crop seed ready August 1st.

Prices shown below are net, no cash discount. 250 of a variety at 1000 rate.

	100 Seeds	1000 Seeds		100 Seeds	1000 Seeds
No. 1 Dark Blood-Red .....	\$1.75	\$16.00	No. 21 Pink Pearl. Salmon-Pink.....	\$2.30	\$21.00
No. 2 Bright Red .....	1.75	16.00	No. 22 Baardse Wonder. Salmon with		
No. 3 Pure Rose .....	1.75	16.00	white border .....	2.25	20.00
No. 4 Soft Rose with carmine eye.			No. 23 Salmon Carmine .....	2.25	20.00
(Improved Rose of Marienthal).....	1.75	16.00	Mixture of above colors.....	1.65	15.00
No. 5 White with carmine eye.....	1.75	16.00	<b>NEW RUFFLED CLASS</b>		
No. 6 Pure White .....	1.75	16.00	This increasingly popular type is characterized by attractively		
No. 7 Bonfire. Brilliant salmon .....	2.25	20.00	fringed and ruffled petals which add considerably to the		
No. 8 Salmon-Scarlet. (America Improved)....	2.30	21.00	appeal that Cyclamen already have for buyers of pot plants.		
No. 9 New Salmon-Rose Imp. ....	2.25	20.00		100	1000
No. 10 Glory of Wandsbek. (Perle of				Seeds	Seeds
Zehlendorf). Dark salmon .....	2.20	18.00	No. 50 Ruffled Lavender .....	\$2.30	\$21.00
No. 11 Rose of Zehlendorf. Light salmon.....	2.20	18.00	No. 51 Ruffled Salmon .....	2.30	21.00
No. 12 Orange Beauty. Orange-vermilion.....	2.30	21.00	No. 52 Ruffled White .....	2.30	21.00
No. 14 Morning Red .....	2.20	18.00	Mixture of ruffled types.....	2.30	21.00
No. 16 Saffron Red-Silver Edged .....	2.25	20.00	<b>VOGT'S DOUBLE STRAIN</b>		
No. 17 Striped Varieties Mixed .....	2.20	18.00	We handle only Mr. Vogt's seed of this attractive double type.		
No. 18 Mozart. Deep Pink .....	2.30	21.00	<b>Admiration.</b> Salmon rose with shaded eye.		
No. 19 Lavender .....	1.75	16.00	Mixture of all colors in this double class.		
			Both above priced at: 100 seeds, \$3.50; 250 seeds, \$7.00;		
			500 seeds, \$13.00; 1000 seeds, \$25.00.		

We can also supply Baardse's imported Cyclamen seed for immediate delivery. Write for prices.

The asterisk (\*) indicates varieties most dependably satisfactory in our experience and observation.



# Ball's AMERICAN GROWN

## CINERARIAS



Small-leaved Siter's Cineraria means more plants per bench.

- \***No. 1 Mixture.** Consists of Cremer's Prize Strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.75.
- \***No. 2 Mixture.** Contains  $\frac{1}{2}$  Cremer's Prize Strain and  $\frac{1}{4}$  each Siter's Rainbow Strain and Multiflora Nana. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.75.

- \***Cremer's Prize Strain.** (Reselected stock). 6,300 seeds per  $\frac{3}{8}$  oz. Extra large heads of medium small flowers in brilliant reds, blues and intermediate shades. About half light-eyed. Tr. pkt., \$1.50;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00;  $\frac{1}{8}$  oz., \$7.50.
- \***Siter's Rainbow Strain.** 3,500 seeds per  $\frac{3}{8}$  oz. An excellent market strain with immense heads of medium large mostly white eyed flowers and small foliage. Tr. pkt., \$2.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50;  $\frac{1}{8}$  oz., \$8.00.
- \***Multiflora Nana, Gold Center.** 6,300 seeds per  $\frac{3}{8}$  oz. Attractive medium small self-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.50.

**Berlin Market Mixed.** (Weissensee Strain). 3,500 seeds per  $\frac{3}{8}$  oz. Large rounded heads of fairly large flowers; mostly white-eyed. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.

**Berlin Market, Dark Crimson.** A deep crimson selection without any eye. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75.

\***Grandiflora Dwarf Mixed.** 3,500 seeds per  $\frac{3}{8}$  oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.

**Dwarf Giant Exhibition Mixture.** Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50;  $\frac{1}{4}$  oz., \$2.50.

**Pacific Giants Mixed.** Extra large flower heads in shades of blue and lavender. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.

**Stellata Mixture.** (Star type). Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., 75c;  $\frac{1}{4}$  oz., \$1.25;  $\frac{1}{2}$  oz., \$2.25.

## CALCEOLARIAS

(20,000 seeds per  $\frac{1}{8}$  oz.)

- \***Ball Multiflora Nana Mixture.** (New). Our most popular variety. Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The compact plants are wiry in growth with small durable leaves. Tr. pkt., \$1.00;  $\frac{1}{128}$  oz., \$2.35;  $\frac{1}{4}$  oz., \$4.35;  $\frac{1}{2}$  oz., \$8.00.

\***Grandiflora Dwarf Mixed.** Contains some of the most striking and unusual color combinations that we have ever seen in Calceolarias. Extra large flowers and compact growth. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**Grandiflora Mixed.** A stronger growing strain of the above. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

\***Dwarf Tigered or Spotted.** Various spotted shades of yellow, red and rosy bronze. Quite dwarf and compact with very full flower heads. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

\***Triumph Strain.** Medium large flowers are carried on strong vigorous plants; mostly bright reds and yellows. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**Red Triumph.** A separate color selection of the above; 90% true scarlet red. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**Indian Prince.** A bright scarlet Multiflora Nana selection. Tr. pkt., \$1.00;  $\frac{1}{128}$  oz., \$2.35.

**Cloth of Gold.** Medium large, freely produced golden yellow flowers. Very showy. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

\***Flower Cloud.** Bushy growing plants with large cloud-like heads of small flowers in shades of yellow, orange and bronze. Tr. pkt., \$1.50;  $\frac{1}{128}$  oz., \$3.50.

**Perennial Hybrids.** (Rugosa). A very small-flowered type for exhibition work and bedding. Tr. pkt., \$1.00.



Calceolarias growing for seed in our greenhouses.



# Pot Plant Seed

## PRIMULAS

### PRIMULA MALACOIDES

(12,000 seeds per  $\frac{1}{32}$  oz.)

This, the most popular of all pot plant Primulas, may be sown from June on for Valentine's Day and later. Sowings made in September make especially nice 3 in. plants for spring combination work. Easily grown, but will not tolerate fertilizer in the seedling stage. All our seed is soil tested regularly for germination and we know it will grow if given a chance; **for this reason we cannot accept responsibility for non-germination of this seed.**

#### THE FOLLOWING IN MR. ERIKSSON'S OWN PACKETS:

**No. 2 Glory of Riverside Imp.** Strong growing, beautiful salmon-rose. An excellent variety. 500 seeds, \$1.25; 2000 seeds, \$4.00.

**No. 3 Eriksson's New Giant.** Large flowered, late blooming, salmon-rose. 500 seeds, \$1.25; 2000 seeds, \$4.00.

**No. 5 New Baby Improved.** Large flowered, deep rosy lavender with some color variation. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

**No. 8 Peachblossom.** Shades of soft creamy pink; varies some. 500 seeds, \$1.25; 2000 seeds, \$4.00.

**No. 9 Lilac Beauty.** Soft lilac. 500 seeds, \$1.25.

**No. 11 Eriksson's White Giant.** Pure White. Large flowers and heavy stems. 500 seeds, \$1.25; 2000 seeds, \$4.00; 6000 seeds, \$10.00.

**No. 12 Eriksson's Pure White Improved.** Somewhat smaller but earlier and freer flowering than the above. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

**No. 21 Mrs. Eriksson of Riverside.** Large flowered glowing rose red; vigorous growth. 500 seeds, \$1.25.

**No. 20 Eriksson's Special Mixed.** Some of all the originator's varieties. 800 seeds, \$1.25; 2000 seeds, \$3.00; 6000 seeds, \$8.00.

#### THE FOLLOWING FROM OUR OWN GROWING:

**No. 31 Riverside Red Rose.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 32 Glory of Riverside Imp.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**No. 33 New Giant.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 38 Peachblossom.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 39 Lilac Beauty.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 41 White Giant.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 42 Pure White Improved.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 43 Brilliancy.** Flowers open lavender—turn to dark velvety red. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 51 Mrs. Eriksson of Riverside.** Produces large flowers of glowing rose red in heavy clusters of medium height. Plants are vigorous with heavy stems and stiff foliage. Outstandingly fine. Tr. pkt., \$1.25;  $\frac{1}{4}$  oz., \$3.50;  $\frac{1}{2}$  oz., \$6.50.

**No. 60 Rosea Superba.** Extra large flowered rosy orchid. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

**No. 61 Springtime.** Similar to Glory of Riverside, but dwarfier in growth. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**No. 50 Mixture.** Our own balanced formula mixture. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.



A well grown 4 in. pot of Primula Malacoides or "Baby Primrose".

### PRIMULA OBCONICA

(4,000 seeds per  $\frac{1}{32}$  oz.)

This brightly colored class excels all other Primulas in large flower size, but is irritating to some skins. Sow during June and later for Christmas and early spring pot plants.

**\*Fasbender's Red.** An outstandingly fine extra large flowered deep crimson red.

**Mohnstein's Atrosanguinea.** (Dark Red). Popular deep red.

**\*Mueller's Berlin Rose.** (Mueller's Rosea). Soft medium rose. Heavy compact plants and large flowers.

**Lachsrosa.** Salmon rose shades.

**\*Coerulea.** Clear mid-blue. A choice strain.

**White.** Rather tall growth.

**\*Formula Mixture.** Carefully blended mixture of above colors.

**PRICES on Each Above Varieties:** Tr. pkt., \$1.25;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.25.

**Wyaston Wonder.** A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., \$1.25;  $\frac{1}{4}$  oz., \$3.00;  $\frac{1}{2}$  oz., \$5.50.

### PRIMULA CHINENSIS

**Special Mixture.** This is all strictly new crop seed which will produce fine plants for late winter and spring from a June sowing. A well balanced blend of popular colors. Tr. pkt., \$1.00.



# Ball Begonias



Two samples of Begonia seed magnified 60 diameters. Note the large, plump seeds on the left which result from our careful cleaning process. Seed like this can't help but mean better germination than half-cleaned lots such as the sample of ordinary seed on the right.

## FIBROUS ROOTED BEGONIAS

For your convenience we have grouped all the Fibrous Rooted Begonias into 3 classes; Tall, Intermediate and Dwarf, rather than the old and confusing classification of Semperflorens and Gracilis. We have ample supplies of our own perfectly-cleaned, greenhouse-grown seed of nearly all varieties listed below.

### TALL CLASS

- Christmas Cheer.** Large flowered deep crimson rose. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.
- Glory of Erfurt.** Medium rose shades. Tr. pkt., \$1.00;  $\frac{1}{2}$  oz., \$2.25.
- Ile de France.** Large flowered white. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.
- Masterpiece.** Extra large flowered, clear pink. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00.
- \*Pink Radio.** Extra large flowered rich glowing rose. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00.
- \*Silver Wings.** Extra large pure white flowers with bright green foliage. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{2}$  oz., \$3.25.
- Tall Varieties Mixed.** A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50.

### INTERMEDIATE CLASS

- \*Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00.
- Darling.** Shades of light to medium pink. Tr. pkts. only, \$1.00.
- \*Fire Sea** (Blaze of Fire). Large fiery red with green foliage. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00.
- \*Indian Maid.** Foliage a deep lustrous bronze with contrasting scarlet flowers. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.
- \*King of the Reds.** Free flowering rose red. Its vigorous but compact growth makes it equally valuable for pots or bedding. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.
- \*Luminosa.** Very attractive and popular scarlet red. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$3.00;  $\frac{1}{2}$  oz., \$5.50.
- Prima Donna.** Medium rose pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.50.
- \*Scandinavia Pink.** Very free flowering bright rose pink. Fine

bushy pot plant habit. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**\*Scandinavia Red.** Identical to the above except for its bright carmine scarlet flowers. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**Scandinavia White.** A white Scandinavia selection. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**Intermediate Varieties Mixed.** Our own mixture made up of the above separate colors; carefully blended. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.50.

### DWARF CLASS

**\*Ball Red.** Fairly dwarf in growth and of uniform, perfectly rounded habit. The plants are literally covered with medium large flowers of the brightest scarlet red imaginable. Much more brilliant and intense than King of the Reds or Luminosa. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**\*Ball Deep Rose.** Identical in habit to Adeline from which it was selected. Under winter and spring conditions the color is a deep rich rosy red which gradually fades to a bright luminous pink with the coming of warmer weather. **Seed ready mid-August.** Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75;  $\frac{1}{2}$  oz., \$5.00.

**\*Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

**\*Ball White.** We find this the finest white for pot plant use. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

**\*Luminosa Compacta.** Extra dwarf, free flowering scarlet red. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$3.00;  $\frac{1}{2}$  oz., \$5.50.

**Dwarf Varieties Mixed.** Our own formula mixture of dwarf varieties. Fine for combinations. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.

## TUBEROUS ROOTED BEGONIAS

**\*Tuberous Rooted Double Mixed.** Gorgeous colors with 80 to 90% good doubles. Tr. pkt. (1000 seeds or more), \$2.50.

**Tuberous Rooted Single Mixed.** Attractive shades of orange, rose, scarlet, etc. Large flowered. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50.



# Profitable Delphinium

(10,000 seeds per oz.)

Delphinium are related to Larkspur and will germinate poorly in a high temperature. We find the best plan for producing strong plants to sell or plant out in spring is to sow around Sept. 1 in finely prepared soil in a cold frame. Be sure it is well watered and sow thinly to avoid the necessity of transplanting.

For forcing, sow the seed not later than Aug. 1 in flats set in the coolest spot available and later transplant the seedlings into frames. After a short rest, or late Nov. they should be taken up and planted in a cold house spacing 6 x 8 in. About Feb. 1, start them into growth in a minimum temperature of 40-45°, later increasing to 50° nights. This schedule should get them into full crop by Mother's Day. The finest of all hybrid Delphinium are the Giant Pacific Hybrids.

## THREE FINE GIANT PACIFIC HYBRIDS

These three varieties, pictured in color on the back cover, are outstandingly fine and deserve to be grown by every florist who does a cut-flower business.

**King Arthur Series.** Royal violet with white bee. Exceptional flower size.

**Guinevere Series.** Fine light, pinkish-lavender with white bee.

**Summer Skies Series.** Light blue with an attractively contrasting bee.

**PRICES on Above Varieties, Each:** Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

## MISCELLANEOUS VARIETIES

**Belladonna Improved.** (Clivedon Beauty.) A carefully reselected strain of this standard light blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

**Belladonna.** The original or regular strain. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.20.

**Bellamosum Improved.** A reselected strain of this standard deep blue. Tr. pkt., 35c; 1/4 oz., 95c; 1 oz., \$2.85; 4 oz., \$10.00; 1 lb., \$35.00.

**Lamartine.** Deep, bright marine blue with white eye. Outstanding for color and cut flower habit. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.75.

**Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine, free-flowering, hybrid strain. Tr. pkt., 35c; 1/4 oz., 90c; 1 oz., \$2.70; 4 oz., \$9.00.

**Wrexham or Hollyhock Strain.** Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c; 1/4 oz., \$1.60; 1 oz., \$5.50.

**Gold Medal Hybrids.** Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

## GIANT PACIFIC HYBRIDS Court Series

**Blue Bird Series.** The clearest of medium blues with white bee. 2 1/2 in. flowers.

**Galahad Series.** The finest clear white Delphinium we list. Huge, double flowers borne on long, closely set spikes.

**Black Knight Series.** Deep mid-night violet. The darkest of them all.

**Blue Jay Series.** A brilliant true medium blue with dark bee.

**Cameliard Series.** A pure lavender self with white bee. Very attractive.

**Round Table Series.** Hybrid or "Trial ground mixture," containing many new and interesting color types not yet introduced.

**Guinevere Series.** See box above.

**King Arthur Series.** See box above.

**Summer Skies Series.** See box above.

**PRICES on Above Varieties, Each:** Tr. pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; 1 oz., \$14.00.

## GIANT PACIFIC HYBRIDS Regular Strains

**Clear White.** A very fine clear white, large double flowered hybrid Delphinium.

**Blue Shades.** One of our most popular strains. Mixture of light, medium and dark blue shades.

**Lavender Pastel Shades.** Mostly two-tone lavender combinations with brown or black bees.

**Violet Shades.** Deep, rich violet-blue colors with many contrasting white bees.

**Mixture.** A complete mixture of all colors in this fine hybrid type.

**PRICES on Above Four Varieties and Mixture, Each:** Tr. pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$12.00.

## DELPHINIUM Chinensis

**Blue Mirror.** (New). Bright navy blue flowers without spurs. This attractive Chinese Larkspur is nicely suited for cutting and may be grown as an annual as well as a perennial. Tr. pkt., 50c; 1/4 oz., \$1.20; 1 oz., \$3.60.



V. & R. Giant Pacific Delphinium are one of our most valuable hardy perennials.

New crop Delphinium seed will be ready for shipment in July.

The asterisk (\*) indicates varieties most dependably satisfactory in our experience and observation.



# For Summer and Fall Sowing



Note the much larger flowers of Ball Giant Schizanthus (right) compared with Ball Dwarf. Both grown in 5 inch pots.

## SCHIZANTHUS

**Ball Giant Flowered.** Remarkable flower size and brilliant color range are the outstanding points about this new strain. Medium tall in habit, making it ideal for either cutting or pot plant specimens. When well grown, flowers 2 inches in diameter may be had. Tr. pkt., 75c; 1/8 oz., \$2.00; 1/4 oz., \$3.60.

**Ball Dwarf Mixture.** A distinctly dwarf strain with compact heads of medium sized flowers. At its best in a 3 or 4 in. pot. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.50.

**Pansy-Flowered Mixture.** Flowers flat, resembling small Pansies. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.80.

**Dr. Badger's Improved Hybrids.** A brightly colored large-flowered strain. Tr. pkt., 35c; 1/4 oz., \$1.15.

**Giant Blotched.** Rose and pink shades, with contrasting dark centers. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

**Monarch Strain.** Attractive mixture of golden rose colors. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

**Ball Brilliant Blend.** A carefully blended mixture of fairly tall varieties. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.25.

## MARIGOLDS

**DWARF FRENCH.** Sow mid-September and grow warm for use in winter combinations.

**Spry.** Golden crest with contrasting dark red guard petals.

**Ball Dwarf Harmony.** Bright orange and velvety maroon.

**Butterball.** Butter yellow faintly tipped with maroon.

**Sunkist.** Solid, deep orange flowers. Uniformly dwarf.

**PRICES** on above four varieties each: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

**WINTER FLOWERING.** This class is of value for winter cutting from a fall sowing and will not flower during summer.

**Australian Tree.** Golden yellow crest with mahogany guard petals. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

**Lieb's Brown and Gold.** Similar to above. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

**Winter Harmony.** Bright orange crest with reddish guard petals. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

## KALANCHOE

**Tom Thumb.** A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. Tr. pkt., \$1.25; 1/8 oz., \$5.00; 1/4 oz., \$9.00.

**Globulifera Coccinea.** The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., 60c; 1/8 oz., \$1.60.

## FREESIAS from SEED

**Refracta Alba.** Pure white. Tr. pkt., 50c; 1/4 oz., \$1.35; 1 oz., \$4.00.

**Rainbow Hybrids.** Attractive mixture including blues, yellows and reddish shades. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

# Vegetable Seeds

## FOR FORCING AND FALL GARDENS

	1 oz.	4 oz.	1 lb.
<b>BEETS</b>			
Early Wonder Tall Top	.25	.75	2.20
<b>CABBAGE</b>			
CHINESE Chihli	.20	.70	2.00
<b>CARROTS</b>			
Amsterdam Forcing	.45	1.50	4.50
<b>CAULIFLOWER</b>			
Early Snowball "A" 1/4 oz., \$1.00	3.00	10.00	30.00
<b>CHICORY</b>			
Whitloof "French Endive"	.50	1.70	5.00
<b>CUCUMBER</b>			
Longfellow Forcing	.35	1.20	3.50
<b>ENDIVE</b>			
Full Heart Batavian	.20	.60	2.00
Deep Heart Fringed	.20	.60	2.00
<b>LETTUCE</b>			
Grand Rapids Forcing, Leaf	.25	.80	2.40

	10 lbs.	1 oz.	4 oz.	1 lb.
<b>RADISH</b>				
Cavalier, Brilliant Sct.	12.60	.15	.45	1.40
Ey. Sct. Globe, Short Top	12.60	.15	.45	1.40
Icicle, Short Top	10.80	.15	.40	1.20
<b>TOMATO</b>		Pkt.	1/4 oz.	1 oz.
<b>Forcing Varieties</b>				
Globe "A," Pink		.50	1.00	3.00
Marhio, Pink Resist.		.50	1.00	3.00
Mich. State Forcing, Red		.25	.50	1.50
Waltham Forcing, Red		.50	1.00	3.00
<b>Garden Varieties</b>		1 oz.	4 oz.	1 lb.
Bonny Best		.60	2.00	5.90
Master Marglobe, Cert.		.80	2.70	8.00
<b>TURNIP</b>				
Purple Top, White Globe		.15	.30	.80



# Miscellaneous Perennials

This list includes the better known varieties of hardy perennials for summer sowing, but many others are of equal value. For a complete list, please refer to our January '46 catalog.

We include with this catalog the number of seeds per ounce of important items listed. For example: **AQUILEGIA**—15,500 S means 15,500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected.

**ANEMONE—St. Brigid Mixed.** Choice long stemmed mixture. Tr. pkt., 50c; ¼ oz., \$1.30; 1 oz., \$4.20.

**AQUILEGIA**—(Columbine). 15,500 S.—**Coerulea** (Rocky Mountain Columbine). Sky-blue with white corolla. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

\***Crimson Star Hybrids.** About 60% dark red with white corolla. Other interesting bi-colors make up the balance of this strain. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.75.  
\***Longissima.** Delicate, pale yellow with extra long (4 in.) spurs. Richly fragrant. Tr. pkt., 50c; ⅛ oz., \$2.50; ¼ oz., \$4.50.

**Longissima Hybrids.** A variety of attractive shades in this extra long spurred class. Tr. pkt., 50c; ⅛ oz., \$2.00.

\***Mrs. Scott Elliotts Hybrids.** An excellent and popular long-spurred mixture. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

**Rose Queen.** Rose and white. Tr. pkt., 35c; ¼ oz., 70c.

\***Snow Queen.** Extra large pure white flowers. Tr. pkt., 25c; ¼ oz., \$1.00; 1 oz., \$3.50.

**Mixture** of all colors in this long-spurred class. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., \$3.00.

**BELLIS—Perennis.** This Double English Daisy is much used for spring and early summer bedding. Extra large flowers. **Red, Rose and White** each: Tr. pkt., 50c; ⅛ oz., \$2.00; ¼ oz., \$3.50.

**Mixture.** Tr. pkt., 50c; ⅛ oz., \$1.80; ¼ oz., \$3.20.

**CAMPANULA—CARPATICA.** 350,000 S. 12 in. Dwarf perennial.—**Blue.** Tr. pkt., 40c; ¼ oz., \$2.50.

\***Hybrid Mixture.** Wide cup shaped flowers are borne on slender erect stems. This strain contains many new colors in this dwarf class. Tr. pkt., 75c; ⅛ oz., \$2.25.

**MEDIUM CALYCANTHEMA** (Cup-and-saucer Type). 120,000 S. 3 ft. Biennial.

<b>Dark Blue</b>	<b>Light Blue</b>	<b>Rose</b>	<b>White</b>	<b>Mixture</b>
Prices on the above varieties and Mixture, each: Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.				

**MEDIUM SINGLE** (Canterbury Bells). 135,000 S. 3 ft. biennial.

<b>Dark Blue</b>	<b>Light Blue</b>	<b>Pink</b>	<b>White</b>	<b>Mixture</b>
Prices on the above varieties and Mixture, each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.				

**PERSICIFOLIA.** 340,000 S. 30 in. Perennial.

<b>White</b>	<b>Blue</b>	<b>Mixture</b>
Prices on the above varieties and Mixture, each: Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.		

**PYRAMIDALIS.** (Chimney Campanula). 250,000 S. 5 ft. **Mixture.** Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

**CARNATION—GRENADIN** (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

<b>Golden Sun</b>	<b>*Pink</b>	<b>*Red</b>	<b>White</b>	<b>*Mixture</b>
Prices on the above varieties and Mixture, each: Tr. pkt., 50c; ¼ oz., \$2.50; 1 oz., \$8.00.				

**CHRYSANTHEMUM—Korean Hybrids.** 60,000 S. Single and semi-double types in a good color range. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00.

**COREOPSIS—\*Sunburst** (New Gold). 11,000 S. A fine semi-double strain. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

**Mayfield Giant.** 11,000 S. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**DAISY** (Chrysanthemum Leucanthemum)—**\*G. Marconi.** The largest flowered and finest double Shasta Daisy strain. Long-stemmed. Originator's seed. Tr. pkt., 50c; 6 Tr. pkts., \$2.50. Regular stock. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.75.

## DAISY, continued

**Double Fringed** (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$4.00.

\***Mayfield Giant.** 21,000 S. Large flowered, end of June.

**Alaska.** 21,000 S. The standard Shasta Daisy, July.

**Conqueror.** 21,000 S. Giant late white, late July.

**Prices on above three varieties each:** Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

**DIANTHUS** (28,000 S.)—**Deltoides Erecta.** 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50.

**Plumarius, Single Mixture** (Clove Pink). 20 in. Free flowering. Tr. pkt., 15c; ¼ oz., 40c; 1 oz., \$1.35.

**BARBATUS** (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed.

\***Holborn Glory.** Striking combination of crimson with white.

\***Newport Pink** (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive.

**Purple Beauty.** A rich deep color.

**Scarlet Beauty.** Well named, intense scarlet red.

**Giant White.** Ours is an extra large flowered strain.

**Single Mixture.** \***Double Mixture.**

**Prices on above varieties and Mixtures, each:** Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.40.

\***Single Midget Mixed.** Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

**GAILLARDIA—GRANDIFLORA.** 9500 S. The following strains, except Goblin, are excellent cut flower sorts.

\***Dazzler.** The standard fine cutting strain. Golden yellow with maroon center.

\***Monarch Strain.** A very superior mixture of large, full petaled flowers with an unusually bright color range.

**Prices on the above two varieties, each:** Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\***Burgundy.** Deep shade of wine red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25. **Available Sept. 1.**

**Portola Hybrids Mixed.** Standard hybrid mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Goblin.** Forms very attractive compact plants with red and yellow bicolored flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

**GERBERA—Jamesoni Hybrids Mixed.** Fine greenhouse perennials for pots or cutting, 100 seeds, 50c; 1000 seeds, \$4.00.

**GYPSOPHILA—**34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

\***Pacifica.** 42 in. Starry pink flowers in Sept. and Oct. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.75.

\***Oldhamiana.** 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. Oct. flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

**PANICULATA.** The regular white hardy Gyp. Note that double grafted varieties like Bristol Fairy are not available from seed.

\***Double Snow Flake.** 40 in. An improved double hardy Gyp. About 50% are double flowering plants. Tr. pkt., 35c; ¼ oz., \$1.35; 1 oz., \$4.50.

**Single White.** Tr. pkt., 15c; 1 oz., 40c.

**LIATRIS.** (Blazing Star)—9500 S. Excellent cut flowers, long decorative, bold spikes.

\***Pycnostachya.** Extra long stemmed—3 to 5 ft. with long 15 to 18 in. flower spikes of rosy purple. Finest cut flower kind. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$3.00.



**LIATRIS, continued**

**Scariosa.** Rosy purple. Extra large individual flower heads on long, loosely set spikes. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.20.

**\*Scariosa White.** A very fine pure white. Long loosely set flower spikes. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.20.

**LILIES FROM SEED—\*White Queen.** 8200 S. This strain produces flowers fully equal to the finest Erabu's or Gigs. in 17 months from seed. The largest and finest seed propagated Lily we know of. ½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$15.00.

**Tenuifolium** (Coral Lily). Freely produces medium sized flowers of brilliant coral red. 18 to 20 in. tall; May flowering. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

**Philippinense Formosanum, Giant Flowered.** 8200 S. An improved form of the original stock of Philippine Lily. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00; 4 oz., \$10.00.

**Regale** (Regal Lily). 6500 S. Pink with primrose center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

**LUPINUS—POLYPHYLLUS** (Hardy Lupine). Fine cutting material. Requires a well drained location and thrives best in cool climate.

**\*Russell Strain.** 1000 S. Unusually long closely set flower spikes and the widest range of attractive colors found in Hardy Lupines.

Reselected Stock (Originator's packets) 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.

Grown from Originator's Stock. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.00.

**\*Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

**POPPY—ORIENTALE** (Oriental poppy). 140,000 S. Large cup-shaped flowers with crinkled petals.

**Brilliant.** 40 in. Vivid, fiery red. Tr. pkt., 35c; ⅓ oz., 90c; ¼ oz., \$1.50.

**Princess Victoria Louise.** The standard light orange salmon. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.50.

**Salmon Shades.** Huge blossoms in unusual new salmon shades. Tr. pkt., 35c; ⅓ oz., \$1.00; ¼ oz., \$1.75.

**Mixture.** Of all colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

**PRIMULA—VERIS.** 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

**\*Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., 75c; ⅓ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$14.00.

**\*Polyanthus Mixture.** 12 in. Tr. pkt., 75c; ⅓ oz., \$1.75; ¼ oz., \$3.25; 1 oz., \$12.00.

**Giant Monarch Strain.** A fine large flowered mixture. Tr. pkt., 75c; ⅓ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$14.00.

**Blue** (Acaulis). Tr. pkt., \$1.00; ⅓ oz., \$2.20; ¼ oz., \$4.00.

**Giant Crimson.** **Giant Yellow.** **Giant White.**

Prices on the above three varieties, each: Tr. pkt., 75c; ⅓ oz., \$1.75; ¼ oz., \$3.00.

**PYRETHRUM—ROSEUM** (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

**\*Extra Double Mixture** (New). The European producer of this fine strain assures us that the percentage of large extra double flowers exceeds that of any other strain. Note, however, that 2 years growth is required to produce the finest flowers in any strain of double Pyrethrum. Tr. pkt., 50c; ⅓ oz., \$1.40; ¼ oz., \$2.50; 1 oz., \$7.50.

**Atrosanguineum.** A popular dark crimson strain. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

**Rose.** Single pink flowers. Tr. pkt., 50c; ¼ oz., \$1.75.

**\*Robinson's Hybrids.** Large single mixture. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

**\*James Kelway.** Fine dark red cut flower variety. Tr. pkt., 50c; ¼ oz., \$1.75.

**PYRETHRUM, continued**

**\*Semi-Double Mixture.** An excellent strain. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$6.00.

**Single Mixed.** An attractive mixture of colors in the large-flowered single type. Tr. pkt., 50c; ¼ oz., \$1.75; 1 oz., \$5.50.

**SCABIOSA—2400 S.** Excellent large flowered perennial cut flower material. Seed germination sometimes slow.

**Caucasica Perfecta.** Improved large flowered form of this lilac lavender strain. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

**\*Caucasica, House Hybrids.** Large flowers; white to deep blue. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

**STATICE—Perennial Statice** are very hardy, make good cut flower material and some as noted can be dried and dyed.

**Caspia.** 175,000 S. 30 in. Seedling flower second season. Lilac. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

**\*Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

**\*Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Very hardy and may be dried. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

**Perezi.** 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

**VIOLA—CORNUTA.** Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

**Apricot.** Prefer Chantreyland. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

**Arkwright Ruby.** Maroon-scarlet with dark center. Tr. pkt., 50c; ⅓ oz., \$1.50; ¼ oz., \$2.65; 1 oz., \$8.00.

**Black Imp.** Small, velvety coal-black flowers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

**\*Blue Elf** (Improved Johnny Jump Up). ¾ in. blooms of deep violet, light blue and gold are freely produced on low-growing plants. Tr. pkt., 50c; ⅓ oz., \$1.25; ¼ oz., \$2.25.

**\*Blue Perfection.** Large flowered clear medium blue. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

**\*Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

**Firmament.** Free blooming, attractive clear sky blue. Tr. pkt., 50c; ⅓ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

**\*Lutea Splendens.** Clear golden yellow. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

**Papilio.** Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

**\*White Perfection.** Small pure white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

**\*Large Flowered Mixture.** Complete mixture of all large flowered varieties. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

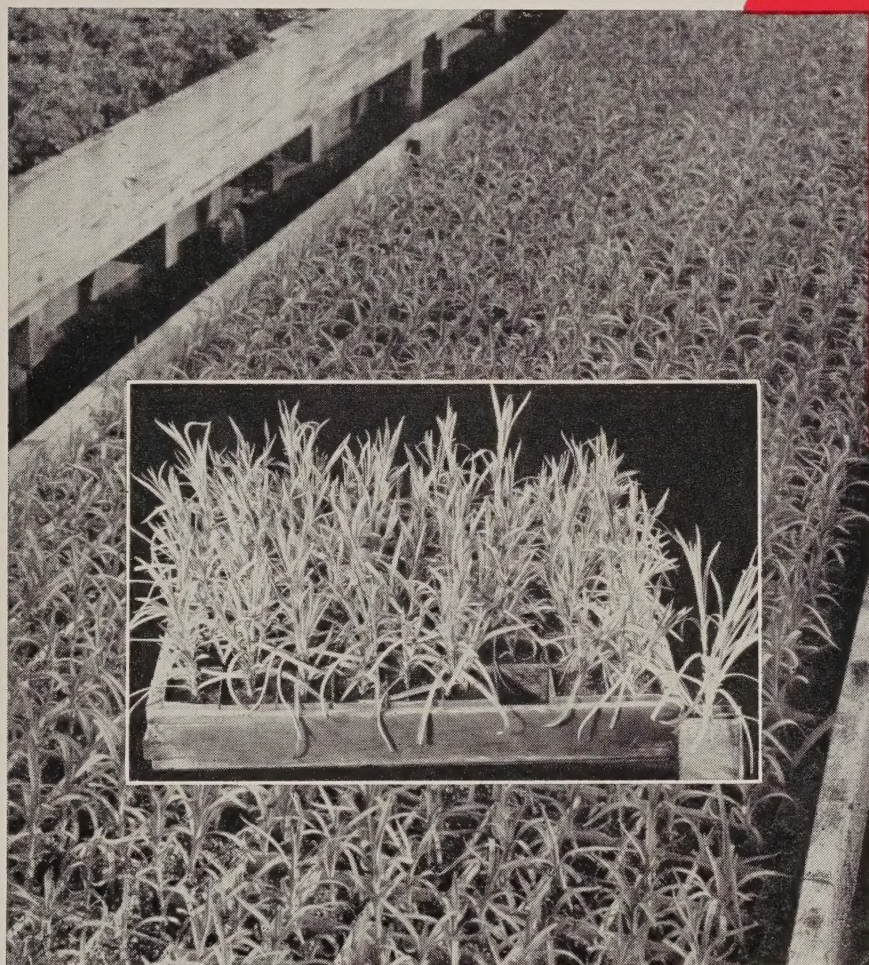


Lilies from seed in 17 months—that's White Queen!



# Mr. Grower— THOSE

Young Carnations are ideally handled either by placing the bands directly in the bench or in flats (inset). The flat method has the advantage of one less handling in getting the plants into the field and in enabling the grower to use vacant shelf space. The  $2\frac{1}{2} \times 2\frac{1}{2}$  in. band is the popular size with Carnation growers.



# BALL BETTER PLANT BANDS

## ARE "TOPS" FOR

- ★ Carnations
- ★ Perennials
- ★ Chrysanthemums
- ★ Nursery Stock
- ★ Bedding Plants
- ★ Vegetables

### AVAILABLE IN THESE SIZES

$1\frac{3}{4} \times 1\frac{3}{4} \times 2\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$	3 x 3 x 4
2 x 2 x $2\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2} \times 3$	4 x 4 x 3
2 x 2 x 3	3 x 3 x 3	4 x 4 x 4

4 in. up also available with bottoms. Write for prices.

Here's why hundreds of satisfied growers say these high quality, wire-stitched, wood veneer plant bands can't be equalled ● Easy to open; comes completely assembled ● Easy to fill; lots faster than small pots one at a time ● Transplanting insurance; plants take hold more quickly and with less loss ● Better growth; a band holds more soil than a pot of equal size—no root binding ● Uniform moisture; close fitting wood bands dry out less rapidly

than clay pots but they don't keep plants over-wet as do bands made of airtight, waterproof materials—remember, plant roots must breathe.

Our factory is now in full production, but demand next fall may again exceed supply. Write for prices on your requirements, and get your next season's bands on hand now. Lumber shortages are almost certain to mean higher prices next winter.

## Bird Fibre Plant Bands

	$1\frac{3}{4} \times 2\frac{1}{2}$	$2 \times 2\frac{1}{2}$	2x3	$2\frac{1}{2} \times 3$	3x3	3x4
Vita-Band A	\$3.30	\$3.65	....	\$4.20	\$4.70	\$5.80
Growtex	2.35	2.60	2.90	....	3.45	3.95

Sold in units of 1000 only. F.O.B. East Walpole, Mass. or West Chicago, Ill.

*Geo. J. Ball*  
INC.  
WEST CHICAGO  
ILLINOIS

From start to finish Ball Wood Veneer Plant Bands give satisfaction on every count.





## V. & R. GIANT PACIFIC DELPHINIUM



The finest of all hybrid Delphinium. Left to right: King Arthur, Guinevere and Summer Skies. For retail growers they're of more value for cutting or plant sales than the Belladonnas.

BETTER

*Flower Seeds for Florists*

*Geo. J. Ball*  
I N C.  
WEST CHICAGO  
ILLINOIS